

Gard
10/743,182

REMARKS

The undersigned requests a personal interview with the Examiner in charge of this application.

Claims 1-3, 11, and 14-15 were objected to for a number of informalities. The cited claims have either been canceled or the errors corrected.

Claims 4, 8-10, and 12-15 were rejected as being indefinite. The points of indefiniteness identified by the Examiner have been corrected.

Claims 1-3, 5-7, and 11-13 were rejected as being unpatentable over Kuesters.

Claim 4 was rejected as being unpatentable over Kuesters in view of Morse.

Claims 8-10 and 14-15 were rejected as being unpatentable over Kuesters in view of Quimby.

Kuesters discloses a golf ball locator containing a transmitter that sends a coded signal, identifying the ball, and received by an array of receivers and triangulation is employed to locate the ball. A processor then transmits the location to a display unit.

Morse discloses a golf game management system for maintaining golf course, player and golf ball location information. Included is a central computer and a mobile unit which includes a GPS receiver for determining its current location and means for correlating that information with the golf course. The golf ball has a receiver and sound generator that is energized upon receiving a signal from the mobile unit. This reference was cited for the second transmitter in the detection unit and the second receiver in the

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golf ball. This reference also teaches the use of a separate pulsing frequency for each golf ball (col. 5, lines 25-28). In the present invention, the second transmitter in the detection unit is a GPS transmitter and the second receiver in the golf ball is related to the GPS transmitter (see Figs. 6 and 7).

Quimby has a golf ball with distance and locating system and was cited for using a numerical keyboard for tuning a receiver. In the present invention, the numerical keyboard is also employed to select a frequency for a particular golf ball (see page 16, lines 7-10 of the specification).

In view of the excellent art cited by the Examiner, claim 1 has been extensively amended to recite that the golf ball has a first transmitter for transmitting a position signal and a second transmitter using GPS (see Fig. 7) to determine the position of the golf ball, the detection unit has a receiver and display for displaying the location of the golf ball and a first transmitter to send to the golf ball a signal assigning a frequency to the golf ball and a second transmitter using GPS (see Fig. 6) for determining the position of the detection unit. This combination is not believed to be taught or suggested by the art of record either singly or in any combination.

Claims 2-4, 6, 10, and 13-15 have been canceled.

Claim 5 adds the display fields in the detection unit including a map of the golf course and distance from the golf ball as well as the golf score. This additional feature does not appear to be shown in the art of record.

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Claim 7 adds the feature of the detection unit being able to receive signals of different frequencies thereby allowing received of position signals from different golf balls.

Claims 8 and 9 add the feature of using the keyboard to input a frequency assigned to a particular golf ball and the use of an expansion card reader to insert a map of the golf course.

Claims 11 and 12 add the features of signaling to the player when a golf ball is nearby.

In view of the foregoing, it is believed that the claims in their present form distinguish over the art of record and should be allowed.

A conscientious effort has been made to place this application in condition for immediate allowance. The Examiner is requested to call the undersigned or Mr. Kroll if further changes are required to obtain allowance of the application.

A favorable action is solicited.

Respectfully submitted,



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Patent and Trademark Office, telephone number 703-872-9306 on Nov. 24, 2004.


Leonard Belkin